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(54) **A process for treating methylchlorosilanes by-products**

(57) The instant invention relates to a novel process for the hydrolysis of the by-products produced during the manufacture of methyldichlorosilanes comprising combining the by-products with an aqueous medium, option-

ally comprising a surfactant, at a pH range of at least about 7 and at a temperature of above about 0°C to produce a solid material in which copper and other metals are retained in a solid phase thereby resulting in a product with a high copper content.

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EUROPEAN SEARCH REPORT

Application Number
EP 98 30 2039

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	US 4 690 810 A (REESER DAVID M ET AL) 1 September 1987 (1987-09-01)	1-7,10	C07F7/16 C07F7/12
Y	* column 4, line 42 - column 5, line 15 * ----	8,9	
X	US 5 342 430 A (SHADE RAY W ET AL) 30 August 1994 (1994-08-30)	1-7,10	
Y	* column 9, line 45 - column 10, line 46 * ----	8,9	
D,A	US 4 960 523 A (DEGEN BRUNO ET AL) 2 October 1990 (1990-10-02) * column 3, line 15 - column 4, line 67; examples 1,2 * -----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			C07F
Place of search		Date of completion of the search	Examiner
THE HAGUE		24 May 2000	Bader, K
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 98 30 2039

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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24-05-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4690810 A	01-09-1987	DE 3709630 A	01-10-1987
		FR 2596302 A	02-10-1987
		JP 2063776 C	24-06-1996
		JP 7096446 B	18-10-1995
		JP 62275013 A	30-11-1987
US 5342430 A	30-08-1994	DE 4425975 A	02-02-1995
		FR 2708268 A	03-02-1995
		GB 2280440 A,B	01-02-1995
		JP 7145176 A	06-06-1995
US 4960523 A	02-10-1990	DE 3829582 A	08-03-1990
		BR 8904395 A	24-04-1990
		DE 58905756 D	04-11-1993
		EP 0356881 A	07-03-1990
		ES 2043988 T	01-01-1994
		JP 2101085 A	12-04-1990
		JP 2768991 B	25-06-1998